

D.N. 0164.98

U.S. Express Mailing Number EK725747699US

I claim:

1. A method of detaching microorganisms from, or of inhibiting microbial attachment to, animal or poultry carcasses or seafood or parts thereof, said method comprising contacting animal or poultry carcasses or seafood or parts thereof at least once with at least one member of the group consisting of (i) a polysulfated polysaccharide, (ii) carboxymethyl cellulose, (iii) guanidine or arginine, optionally together with Tween and sodium chloride, (iv) and mixtures thereof, in an amount effective to detach microorganisms from, or inhibit microbial attachment to, said animal or poultry carcasses or seafood or parts thereof.

2. The method according to claim 1, wherein said polysulfated polysaccharide is selected from the group consisting of heparan sulfate, dextran sulfate, lambda carrageenan, kappa carrageenan, iota carrageenan, and mixtures thereof.

3. The method according to claim 2, wherein said polysulfated polysaccharide is kappa carrageenan.

4. The method according to claim 1, said method comprising contacting animal or poultry carcasses or seafood or parts thereof at least twice with at least one member of the group consisting of (i) a polysulfated polysaccharide, (ii) carboxymethyl cellulose, (iii) guanidine or arginine, optionally together with Tween and sodium chloride, (iv) and mixtures thereof, in an amount effective to detach microorganisms from, or inhibit microbial attachment to, said animal or poultry carcasses or seafood or parts thereof.

5. The method according to claim 1, said method comprising contacting animal or poultry carcasses or parts thereof at least once with at least one member of the group consisting of (i) a polysulfated polysaccharide, (ii) carboxymethyl cellulose, (iii) guanidine or arginine, optionally together with Tween and sodium chloride, (iv) and mixtures thereof, in an amount effective to

detach microorganisms from, or inhibit microbial attachment to, said animal or poultry carcasses or parts thereof.

6. The method according to claim 5, said method comprising contacting animal or poultry carcasses or parts thereof at least twice with at least one member of the group consisting of (i) a polysulfated polysaccharide, (ii) carboxymethyl cellulose, (iii) guanidine or arginine, optionally together with Tween and sodium chloride, (iv) and mixtures thereof, in an amount effective to detach microorganisms from, or inhibit microbial attachment to, said animal or poultry carcasses or parts thereof.

7. The method according to claim 1, said method comprising contacting animal or poultry carcasses or seafood or parts thereof at least once with at least one member of the group consisting of (i) a polysulfated polysaccharide, (ii) carboxymethyl cellulose, (iii) guanidine or arginine, optionally together with Tween and sodium chloride, (iv) and mixtures thereof, in an amount effective to detach microorganisms from said animal or poultry carcasses or seafood or parts thereof.

8. The method according to claim 7, said method comprising contacting animal or poultry carcasses or seafood or parts thereof at least twice with at least one member of the group consisting of (i) a polysulfated polysaccharide, (ii) carboxymethyl cellulose, (iii) guanidine or arginine, optionally together with Tween and sodium chloride, (iv) and mixtures thereof, in an amount effective to detach microorganisms from said animal or poultry carcasses or seafood or parts thereof.

9. The method according to claim 7, said method comprising contacting animal or poultry carcasses or parts thereof at least once with at least one member of the group consisting of (i) a polysulfated polysaccharide, (ii) carboxymethyl cellulose, (iii) guanidine or arginine, optionally

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together with Tween and sodium chloride, (iv) and mixtures thereof, in an amount effective to detach microorganisms from said animal or poultry carcasses or parts thereof.

10. The method according to claim 1, said method comprising contacting animal or poultry carcasses or seafood or parts thereof at least once with at least one member of the group consisting of (i) a polysulfated polysaccharide, (ii) carboxymethyl cellulose, (iii) guanidine or arginine, optionally together with Tween and sodium chloride, (iv) and mixtures thereof, in an amount effective to inhibit microbial attachment to said animal or poultry carcasses or seafood or parts thereof.

11. The method according to claim 10, said method comprising contacting animal or poultry carcasses or seafood or parts thereof at least twice with at least one member of the group consisting of (i) a polysulfated polysaccharide, (ii) carboxymethyl cellulose, (iii) guanidine or arginine, optionally together with Tween and sodium chloride, (iv) and mixtures thereof, in an amount effective to inhibit microbial attachment to said animal or poultry carcasses or seafood or parts thereof.

12. The method according to claim 10, said method comprising contacting animal or poultry carcasses or parts thereof at least once with at least one member of the group consisting of (i) a polysulfated polysaccharide, (ii) carboxymethyl cellulose, (iii) guanidine or arginine, optionally together with Tween and sodium chloride, (iv) and mixtures thereof, in an amount effective to inhibit microbial attachment to said animal or poultry carcasses or parts thereof.